

**LUPEROX® 270M60****1. PRODUCT AND COMPANY IDENTIFICATION****Company**

Arkema Inc.  
900 First Avenue  
King of Prussia, Pennsylvania 19406

**Functional Additives**

**Customer Service Telephone Number:** (800) 331-7654  
(Monday through Friday, 8:00 AM to 5:00 PM EST)

**Emergency Information**

**Transportation:** CHEMTREC: (800) 424-9300  
(24 hrs., 7 days a week)  
**Medical:** Rocky Mountain Poison Center: (866) 767-5089  
(24 hrs., 7 days a week)

**Product Information**

**Product name:** LUPEROX® 270M60  
**Synonyms:** Not available  
**Molecular formula:** Complex Mixture  
**Chemical family:** Organic peroxide - peroxyesters  
**Molecular weight:** 230.33 g/mol  
**Product use:** Polymer initiator

**2. HAZARDS IDENTIFICATION****Emergency Overview**

**Color:** colourless to slightly yellow  
**Physical state:** liquid  
**Odor:** slight, ester-like

**\*Classification of the substance or mixture:**

Organic peroxides, Type D, H242  
Skin irritation, Category 2, H315  
Skin sensitisation, Category 1, H317  
Specific target organ toxicity - single exposure, Category 3, H336  
Aspiration hazard, Category 1, H304  
Acute aquatic toxicity, Category 1, H400  
Chronic aquatic toxicity, Category 1, H410

\*For the full text of the H-Statements mentioned in this Section, see Section 16.

**LUPEROX® 270M60****GHS-Labeling**

Hazard pictograms:



Signal word:

**Danger****Hazard statements:**

H242 : Heating may cause a fire.  
H304 : May be fatal if swallowed and enters airways.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H336 : May cause drowsiness or dizziness.  
H410 : Very toxic to aquatic life with long lasting effects.

**Supplemental Hazard Statements:**

Organic peroxide.  
Hazardous decomposition may occur.

**LUPEROX® 270M60****Precautionary statements:****Prevention:**

P210 : Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P220 : Keep/Store away from clothing/ combustible materials.  
P234 : Keep only in original container.  
P261 : Avoid breathing gas/mist/vapours/spray.  
P264 : Wash skin thoroughly after handling.  
P271 : Use only outdoors or in a well-ventilated area.  
P272 : Contaminated work clothing should not be allowed out of the workplace.  
P273 : Avoid release to the environment.  
P280 : Wear protective gloves/ eye protection/ face protection.

**Response:**

P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302 + P352 : IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 : Call a POISON CENTER/doctor if you feel unwell.  
P331 : Do NOT induce vomiting.  
P333 + P313 : If skin irritation or rash occurs: Get medical advice/ attention.  
P362 : Take off contaminated clothing and wash before reuse.  
P391 : Collect spillage.

**Storage:**

P403 + P233 : Store in a well-ventilated place. Keep container tightly closed.  
P405 : Store locked up.  
P410 : Protect from sunlight.  
P411 + P235 : Maximum storage temperature is specified on label and in section 7 of SDS. Keep cool.  
P420 : Store away from other materials.

**Disposal:**

P501 : Dispose of contents/ container to an approved waste disposal plant.

**Supplemental information:****Potential Health Effects:**

Prolonged or repeated skin contact may cause defatting resulting in drying, redness and rash. If swallowed: Due to the viscosity, this substance may present an aspiration hazard. Symptoms of aspiration may include increased breathing and heart rate, coughing and related signs of respiratory distress.  
May also cause: chest discomfort, accumulation of fluid in the lungs, (severity of effects depends on extent of exposure).

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

## LUPEROX® 270M60

Chemical Name	CAS-No.	Wt/Wt	GHS Classification**
Hexaneperoxoic acid, 3,5,5-trimethyl-, 1,1-dimethylethyl ester	13122-18-4	>= 59 - <= 61 %	H242, H400, H410, H317
Naphtha (petroleum), heavy alkylate	64741-65-7	<= 41 %	H226, H304, H413
Naphtha (petroleum), hydrotreated heavy	64742-48-9	<= 41 %	H226, H315, H336, H304, H411

\*\*For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 4. FIRST AID MEASURES

##### 4.1. Description of necessary first-aid measures:

###### Inhalation:

If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

###### Skin:

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

###### Eyes:

Immediately flush eye(s) with plenty of water.

###### Ingestion:

If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Call a physician or Poison Control Center immediately. If vomiting occurs, have person lean forward. Never give anything by mouth to an unconscious person.

##### 4.2. Most important symptoms/effects, acute and delayed:

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Statements and Supplemental Information) and Section 11 (Toxicology Information) of this SDS.

##### 4.3. Indication of immediate medical attention and special treatment needed, if necessary:

Unless otherwise noted in Notes to Physician, no specific treatment noted; treat symptomatically.

###### Notes to physician:

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Exposure to material may cause delayed lung injury resulting in pulmonary edema and pneumonitis. Exposed individuals should be monitored for 72 hours after exposure for the onset of delayed respiratory symptoms.

**5. FIREFIGHTING MEASURES****Extinguishing media (suitable):**

Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical

**Protective equipment:**

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

**Further firefighting advice:**

Fight fire with large amounts of water from a safe distance.

Cool closed containers exposed to fire with water spray.

Closed containers of this material may explode when subjected to heat from surrounding fire.

After a fire, wait until the material has cooled to room temperature before initiating clean-up activities.

Do not allow run-off from fire fighting to enter drains or water courses.

Fire fighting equipment should be thoroughly decontaminated after use.

**Fire and explosion hazards:**

Contact with materials to avoid or exposure to temperatures exceeding the SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may autoignite.

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, and other flames and ignition sources at locations distant from material handling point.

When burned, the following hazardous products of combustion can occur:

Carbon oxides

Hazardous organic compounds

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:**

Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel.

Ventilate the area. Eliminate all ignition sources. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as sodium bicarbonate, sodium carbonate, calcium carbonate, clean sand or non-acidic clay and then wet down (dampen) the mixture with water. DO NOT USE peat moss. Sweep or scoop up using non-sparking tools and place into suitable properly labeled containers for prompt disposal. The sweepings should be wetted down further with water. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Protective equipment:**

Appropriate personal protective equipment is set forth in Section 8.

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**7. HANDLING AND STORAGE**

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**Handling****General information on handling:**

Contact with materials to avoid or exposure to temperatures exceeding the SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may autoignite.

Do not taste or swallow.

Avoid breathing vapor or mist.

Avoid contact with skin, eyes and clothing.

Keep away from heat, sparks and flames.

No smoking.

Use only with adequate ventilation.

Wash thoroughly after handling.

Prevent product contamination.

When using do not eat, drink or smoke.

Keep container tightly closed and away from combustible materials.

Keep only in the original container.

Emptied container retains vapor and product residue.

Follow label warnings even after container is emptied.

Container hazardous when empty.

Improper disposal or reuse of this container may be dangerous and/or illegal.

**Storage****General information on storage conditions:**

Keep in a dry, cool place. Store in well ventilated area away from heat and sources of ignition such as flame, sparks and static electricity. Store in tightly closed container. Store in closed containers, in a secure area to prevent container damage and subsequent spillage. Outside or detached storage is preferred. Store out of direct sunlight in a cool well-ventilated place. Store in original container. Store away from combustibles and materials to avoid. Refer also to National Fire Protection Association (NFPA) Code 400, Hazardous Materials Code.

**Storage stability – Remarks:**

Follow the recommended storage temperatures provided in this Section in order to maintain stability and oxygen content.

**Storage incompatibility – General:**

Store away from excessive heat, sources of ignition, and reactive materials.

Store separate from:

Strong acids

Strong bases

Strong oxidizing agents

Reducing agents

Amines

Accelerators

Friedel - Crafts reaction catalyst

transition metal salts

metal ions

Brass

Copper

Iron

For all Organic Peroxides, compatible materials of contact are stainless steel 304 or 316 (preferred), high-density polyethylene (HDPE), polytetrafluoroethylene or glass linings.

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**Temperature tolerance – Do not store above:**

86 °F (30 °C)

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Airborne Exposure Guidelines:****Naphtha (petroleum), hydrotreated heavy (64742-48-9)**

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 100 ppm (400 mg/m<sup>3</sup>)

Only those components with exposure limits are printed in this section. Limits with skin contact designation above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required. Limits with a sensitizer designation above mean that exposure to this material may cause allergic reactions.

**Engineering controls:**

Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Respiratory protection:**

Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

**Skin protection:**

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear chemical goggles, a face shield, and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing immediately and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

**Eye protection:**

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Color:</b>	colourless to slightly yellow
<b>Physical state:</b>	liquid
<b>Odor:</b>	slight, ester-like
<b>Odor threshold:</b>	No data available.
<b>Flash point</b>	201 °F (94 °C) (Method: ISO 3679)(Data is for peroxide component.)
<b>Auto-ignition temperature:</b>	No data available.
<b>Lower flammable limit (LFL):</b>	No data available.
<b>Upper flammable limit (UFL):</b>	No data available.
<b>pH:</b>	No data available.
<b>Density:</b>	No data available.
<b>Specific Gravity (Relative density):</b>	No data available
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Boiling point/boiling range:</b>	Decomposes before boiling. Rate of decomposition increases with rising temperature.
<b>Melting point/range:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Evaporation rate:</b>	No data available.
<b>Solubility in water:</b>	14.2 g/l 68 °F (20 °C)
<b>Viscosity, dynamic:</b>	No data available.
<b>Molecular weight:</b>	230.33 g/mol
<b>Oil/water partition coefficient:</b>	No data available.
<b>Self-Accelerating Decomposition Temperature (SADT):</b>	> 113 °F (45 °C) IBC (Method: UN-Test H.4)
<b>Thermal decomposition:</b>	No data available.

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**Active oxygen content:** 4.17 %

**Flammability:** See GHS Classification in Section 2

**10. STABILITY AND REACTIVITY****Stability:**

This material is chemically unstable and should only be handled under specified conditions.

**Hazardous reactions:**

Hazardous polymerization does not occur.

**Materials to avoid:**

Strong acids  
Strong bases  
Strong oxidizing agents  
Reducing agents  
Amines  
Accelerators  
Friedel - Crafts reaction catalyst  
transition metal salts  
metal ions  
Brass  
Copper  
Iron

For all Organic Peroxides, compatible materials of contact are stainless steel 304 or 316 (preferred), high-density polyethylene (HDPE), polytetrafluoroethylene or glass linings.

**Conditions / hazards to avoid:**

See HANDLING AND STORAGE section of this SDS for specified conditions. SADT - Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction. This reaction will generate flammable vapors which may autoignite. The length of time to generate a decomposition reaction, after the SADT has been reached or exceeded, is dependent upon how much the SADT has been exceeded and the length of time needed for the reaction exotherm (heat spike from increasing decomposition rate) to initiate a rapid decomposition reaction. Typically, SADT is inversely proportional to package size. Larger packages will have a lower SADT due to smaller ratio to heat transfer area to volume of product. (decomposition)

**Hazardous decomposition products:**

Temperatures at or above SADT can result in the release of hazardous decomposition products which are flammable and may autoignite.

Thermal decomposition giving flammable and toxic products :

Carbon oxides

Hazardous organic compounds

**11. TOXICOLOGICAL INFORMATION**

Data on this material and/or its components are summarized below.

**Data for Hexaneperoxoic acid, 3,5,5-trimethyl-, 1,1-dimethylethyl ester (13122-18-4)**

**LUPEROX® 270M60****Acute toxicity****Dermal:**

No deaths occurred. (rat) LD<sub>0</sub> > 2,000 mg/kg.

**Inhalation:**

No deaths occurred. (rat) 4 h LC<sub>50</sub> > 0.8 mg/l. (aerosol)

**Skin Irritation:**

Not irritating. (rabbit) Irritation Index: 0/8. (4 h) (After semi-occlusive contact)

**Eye Irritation:**

Causes mild eye irritation. (rabbit)

**Skin Sensitization:**

May cause allergic skin reaction. Repeated skin exposure. (guinea pig) Skin allergy was observed.

**Repeated dose toxicity**

Subchronic oral administration to rat / affected organ(s): kidney / signs: hyaline droplet nephropathy /  
No adverse systemic effects reported.

Subacute oral administration to rat / affected organ(s): Haematopoietic system, liver, kidney, stomach

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells

Genetic changes were observed in a laboratory test using: human cells

**Genotoxicity****Assessment in Vivo:**

No genetic changes were observed in a laboratory test using: mice

**Developmental toxicity**

Reproductive/Developmental Effects Screening Assay. oral (rat) / No birth defects were observed.

**Reproductive effects**

Reproductive/Developmental Effects Screening Assay. oral (rat) / No toxicity to reproduction.

**Data for Naphtha (petroleum), heavy alkylate (64741-65-7)****Acute toxicity****Oral:**

Practically nontoxic. (rat) LD<sub>50</sub> > 7,600 mg/kg.

**Dermal:**

No deaths occurred. (rabbit) LD<sub>0</sub> > 3,040 mg/kg.

**Inhalation:**

No deaths occurred. (rat) 4 h LC<sub>0</sub> > 9.3 mg/l. (saturated vapor)

**LUPEROX® 270M60****Skin Irritation:**

Causes mild skin irritation. (rabbit) Irritation Index: 2.4/8.0. (4 h)

**Skin Sensitization:**

Not a sensitizer. Guinea pig maximization test. (guinea pig) No skin allergy was observed

**Repeated dose toxicity**

Repeated inhalation administration to rat / affected organ(s): kidney / signs: damage, changes in organ structure or function, hyaline droplet nephropathy / (not considered relevant in humans)

**Other information**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

**Human experience****Inhalation:**

Cardio-vascular system: Irregular cardiac activity, rapid heart beat. (repeated or prolonged exposure) (effects associated with substance abuse) (data for similar materials)

**Human experience****Skin contact:**

Skin: Prolonged skin contact may defat the skin and produce dermatitis.

**Data for Naphtha (petroleum), hydrotreated heavy (64742-48-9)****Acute toxicity****Oral:**

No deaths occurred. (rat) LD<sub>0</sub> > 5,000 mg/kg.

**Dermal:**

May be harmful in contact with skin. (rabbit) LD<sub>50</sub> > 2,000 mg/kg.

**Inhalation:**

No deaths occurred. (rat) 4 h LC<sub>0</sub> > 5 mg/l. (vapour)

**Specific target organ toxicity - single exposure:**

May cause drowsiness or dizziness. (central nervous system)

**Skin Irritation:**

Causes skin irritation. (rabbit)

**Eye Irritation:**

Causes mild eye irritation. (rabbit)

**Skin Sensitization:**

Not a sensitizer. Repeated skin exposure. (guinea pig) No skin allergy was observed (data for a similar material)

**Repeated dose toxicity**

Subchronic inhalation administration to rat / affected organ(s): kidney / signs: changes in organ weights, changes in organ structure or function, hyaline droplet nephropathy / (not considered relevant in humans)

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Repeated oral administration to rat / affected organ(s): kidney / signs: changes in organ weights, changes in organ structure or function, hyaline droplet nephropathy / (not considered relevant in humans)

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria, animal cells

**Genotoxicity****Assessment in Vivo:**

No genetic changes were observed in laboratory tests using: rats

**Developmental toxicity**

Exposure during pregnancy. Inhalation (rat) / No birth defects were observed.

**Other information**

The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

**Human experience****Inhalation:**

Cardio-vascular system: Irregular cardiac activity, rapid heart beat. (repeated or prolonged exposure) (effects associated with substance abuse) (data for similar materials)

**Human experience****Skin contact:**

Skin: No skin allergy was observed. (studied using human volunteers) Prolonged skin contact may defat the skin and produce dermatitis.

**12. ECOLOGICAL INFORMATION****Chemical Fate and Pathway**

Data on this material and/or its components are summarized below.

**Data for Hexaneperoxoic acid, 3,5,5-trimethyl-, 1,1-dimethylethyl ester (13122-18-4)****Bioaccumulation:**

Potentially bioaccumulable.

**Octanol Water Partition Coefficient:**

log Pow = 5.16

**Data for Naphtha (petroleum), heavy alkylate (64741-65-7)****Biodegradation:**

Not readily biodegradable. (28 d) biodegradation 8 - 22 %

**Bioaccumulation:**

Potential to bioaccumulate

**LUPEROX® 270M60****Octanol Water Partition Coefficient:**

log Pow = 2.8 - 6 (calculated) (data for a similar material)

**Data for Naphtha (petroleum), hydrotreated heavy (64742-48-9)****Biodegradation:**

Readily biodegradable. (28 d) biodegradation 77 %

**Octanol Water Partition Coefficient:**

log Pow = 2.1 - 6.5 (calculated)

**Ecotoxicology**

Data on this material and/or its components are summarized below.

**Data for Hexaneperoxoic acid, 3,5,5-trimethyl-, 1,1-dimethylethyl ester (13122-18-4)****Aquatic toxicity data:**

Toxic. Oncorhynchus mykiss (rainbow trout) 96 h LC50 = 7.03 mg/l

**Aquatic invertebrates:**

Very toxic. Daphnia magna (Water flea) 48 h EC50 = 0.518 mg/l

**Algae:**

Very toxic. Raphidocelis subcapitata 72 h ErC50 = 0.5098 mg/l

**Data for Naphtha (petroleum), heavy alkylate (64741-65-7)****Aquatic toxicity data:**

No effect up to the limit of solubility. Fish 96 h LL50 &gt; 1,000 mg/l

No effect up to the limit of solubility. Carassius auratus (goldfish) 24 h

**Aquatic invertebrates:**

No effect up to the limit of solubility. Daphnia magna (Water flea) 48 h EL50 &gt; 1,000 mg/l

**Algae:**

No effect up to the limit of solubility. Algae 72 h EL50 &gt; 1,000 mg/l

**Data for Naphtha (petroleum), hydrotreated heavy (64742-48-9)****Aquatic toxicity data:**

Toxic. Pimephales promelas (fathead minnow) 96 h LL50 = 8.2 mg/l

**Aquatic invertebrates:**

Toxic. Daphnia magna (Water flea) 48 h EL50 = 4.5 mg/l (nominal concentrations reported, Water accommodated fraction was tested.)

**Algae:**

Toxic. Pseudokirchneriella subcapitata (green algae) 72 h EL50 = 3.1 mg/l (nominal concentrations reported, Water accommodated fraction was tested.)

**Chronic toxicity to aquatic invertebrates:**

Daphnia magna (Water flea) 21 d NOEC (reproduction) = 2.6 mg/l (Water accommodated fraction was tested.) (Nominal concentration)

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## 13. DISPOSAL CONSIDERATIONS

### Waste disposal:

Dilution followed by incineration is the preferred method. Dilution ratio of 10:1 in a clean, compatible, combustible solvent (i.e., Fuel Oil #2, mineral oil) will reduce reactivity hazard during incineration and transportation. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release to the environment.

## 14. TRANSPORT INFORMATION

### US Department of Transportation (DOT)

UN Number : 3105  
Proper shipping name : Organic peroxide type D, liquid  
Technical name : (Tert-butyl peroxy-3,5,5-trimethylhexanoate, > 32-100%)  
Class : 5.2  
Marine pollutant : yes

### International Maritime Dangerous Goods Code (IMDG)

UN Number : 3105  
Proper shipping name : ORGANIC PEROXIDE TYPE D, LIQUID  
Technical name : (Tert-BUTYL PEROXY-3,5,5-TRIMETHYLHEXANOATE, >32-100%)  
Class : 5.2  
Marine pollutant : yes  
Flash point : 201 °F (94 °C)

## 15. REGULATORY INFORMATION

### Chemical Inventory Status

EU. EINECS	EINECS	Conforms to
US. Toxic Substances Control Act	TSCA	The components of this product are all on the TSCA Inventory.
Canadian Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC (CN)	Conforms to
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	Does not conform

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Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	Does not conform
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	Conforms to
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	Conforms to
Australia Inventory of Chemical Substances (AICS)	AICS	Conforms to

## United States – Federal Regulations

### SARA Title III – Section 302 Extremely Hazardous Chemicals:

The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

### SARA Title III - Section 311/312 Hazard Categories:

Acute Health Hazard, Reactivity Hazard

### SARA Title III – Section 313 Toxic Chemicals:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

## United States – State Regulations

### New Jersey Right to Know

Chemical name	CAS-No.
Naphtha (petroleum), hydrotreated heavy	64742-48-9

### New Jersey Right to Know – Special Health Hazard Substance(s)

Chemical name	CAS-No.
Naphtha (petroleum), hydrotreated heavy	64742-48-9

### Pennsylvania Right to Know

Chemical name	CAS-No.
Hexaneperoxoic acid, 3,5,5-trimethyl-, 1,1-dimethylethyl ester	13122-18-4
Naphtha (petroleum), heavy alkylate	64741-65-7
Naphtha (petroleum), hydrotreated heavy	64742-48-9

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## California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

## 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3.

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### Latest Revision(s):

Reference number:	200014831
Date of Revision:	01/20/2017
Date Printed:	01/21/2017

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